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NOTICE OF ALLOWANCE AND FEE(S) DUE

23373 7590 09/23/2009 SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800

WASHINGTON DC 20037

EXAMINER
RUTZ, JARED IAN
ART UNIT PAPER NUMBER

DATE MAILED: 09/23/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/802,010	03/17/2004	Tae-sun Chung	Q78750	3316		
TITLE OF INVENTION: FLASH MEMORY ACCESS APPARATUS AND METHOD						

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	12/23/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further c indicated unless correcte maintenance fee notificat	form should be used for correspondence including d below or directed oth ions.	or transmitting the ig the Patent, adva ierwise in Block 1	ISSU Ince of by (a					tould be completed where correspondence address as rate "FEE ADDRESS" for
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SUITE 800	VANIA AVENUE,	N.W.		I her State addr trans	eby certify that th	is Feet	() Transmittal is being	deposited with the United t class mail in an envelope above, or being facsimile tte indicated below.
WASHINGTON	, DC 20037							(Depositor's name)
								(Signature)
								(Date)
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nonprovisional	NO	\$1510		\$300	\$0		\$1810	12/23/2009
EXAMI	NER	ART UNIT		CLASS-SUBCLASS				
RUTZ, JAH	RED IAN	2187		711-103000				
"Fee Address" indi- PTO/SB/47; Rev 03-02 Number is required. 3. ASSIGNEE NAME AN	ondence address (or Cha /122) attached. cation (or "Fee Address' 2 or more recent) attach	nge of Corresponde 'Indication form ed. Use of a Custo	mer O ON	2. For printing on the p (1) the names of up to or agents OR, alternativ (2) the name of a single registered attorney or a 2 registered patent attoo listed, no name will be THE PATENT (print or typ data will appear on the p T a substitute for filing an.	3 registered patentiely, ee firm (having as a gent) and the nammers or agents. If printed.	memb es of u no nan	er a 2 p to e is 3	cument has been filed for
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	SMALL ENTITY statu	s. See 37 CFR 1.27		b. Applicant is no long				
interest as shown by the n	ecords of the United Sta	tes Patent and Trad	ccepte lemark	d from anyone other than the Office.	ne applicant; a regi	sterea :	attorney or agent; or th	e assignee or other party in
Authorized Signature					Date			
Typed or printed name					Registration N			
This collection of informs an application. Confidenti submitting the completed this form and/or suggestic Box 1450, Alexandria, Vi Alexandria, Virginia 2231	ation is required by 37 C iality is governed by 35 application form to the ons for reducing this but irginia 22313-1450. DC (3-1450.	FR 1.311. The info U.S.C. 122 and 37 USPTO. Time wi den, should be sen ONOT SEND FEE:	CFR Il vary it to th S OR	on is required to obtain or r 1.14. This collection is est depending upon the indiv e Chief Information Office COMPLETED FORMS TO	etain a benefit by t imated to take 12 i idual case. Any co r, U.S. Patent and D'THIS ADDRESS	he pub minuter mment Trader	tic which is to file (and to complete, includin s on the amount of tir nark Office, U.S. Depa D TO: Commissioner I	by the USPTO to process) g gathering, preparing, and ne you require to complete atment of Commerce, P.O. for Patents, P.O. Box 1450,

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SUGHRUE MI	ON, PLLC	RUTZ, JARED JAN			
	VANIA AVENUE, N.V	ART UNIT	PAPER NUMBER		
SUITE 800 WASHINGTON, DC 20037			2187 DATE MAILED: 09/23/200	9	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 460 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 460 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)
10/802,010	CHUNG ET AL.
Examiner	Art Unit
IARED I RUTZ	2187

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address-All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- This communication is responsive to 9/11/2009.
- The allowed claim(s) is/are 1-4,8-14,17 and 22-25.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a)

 All b)

 Some* c)

 None of the:
 - 1. A Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. _____
 - Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) Thereto or 2) to Paper No./Mail Date
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

 DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- 2.
 Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3. Information Disclosure Statements (PTO/SB/08),
- Paper No./Mail Date ______

 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413), Paper No./Mail Date .
- 7. Examiner's Amendment/Comment
- 8. X Examiner's Statement of Reasons for Allowance
- 9. 🔲 Other ___

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DETAILED ACTION

 Claims 1-4, 8-14, 17, and 22-25, as amended on 9/11/2009, are pending in the instant application. Applicant's arguments and amendments submitted 9/11/2009 have been carefully and fully considered, and are found persuasive. Accordingly, the instant application is in condition for allowance.

Reasons for Allowance

- Claims 1-4, 8-14, and 22-25 are allowed.
- 3. Claim 1 recites the limitation "wherein the investigating the field of the block allocation table comprises writing a state value of "1" in the field of the block allocation table if the state value has been "0," and detecting that the logical block number has been searched for through the previous physical block during the scanning process, if the state value is "1.""
- 4. Claim 11 recites the limitation "writing a state value of "1" in the field of the block allocation table if the state value has been "0," and detecting that the logical block number has been searched for through the previous physical block during the scanning process, if the state value is "1."
- 5. Claim 22 recites the limitation "changing a scanning identifier for the determined last accessed logic block to a first identifier in a block allocation table, if the scanning identifier of the determined last accessed logic block is different from the first identifier."

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6. Said limitations are taught by the specification as originally filed at least at paragraph 48. Said limitations, as argued by applicant in the third paragraph beginning on page 9 of the remarks submitted 9/11/2009, in combination with the other recited limitations of claims 1, 11, and 22, are not taught or suggested by the prior art of record.

7. Claims 2-4, 8-10, 12-14, 17, and 23-25 depend from claims 1, 11, and 22, respectively, and are considered allowable for at least the same reasons as claims 1, 11, and 22.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JARED I. RUTZ whose telephone number is (571)272-5535. The examiner can normally be reached on M-F 8:00 AM - 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christian Chace can be reached on (571)272-4190. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2187

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Christian P. Chace/ Supervisory Patent Examiner, Art Unit 2187 Jared I Rutz Examiner Art Unit 2187

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